

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003406**Date Inspected:** 16-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** OBG**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE Coating inspector, Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA coating inspector observed the following:

An inspection was requested on the Lift 13E internal east section ceiling and vertical floor beam from PP 123 to end weld seam, vide inspection request no. 6941 for Surface preparation and Pre blast weld VT Inspection. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces and found rejected for Grinding and Reblasting in marked areas. VT Inspection found carried out by ABF and CT Inspectors. International protective coatings technical service representative Mr. Han Xiao Hui found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Lift 13E inside floor west slope from PP 122.5 to 124.5, vide inspection request no. 6942 for Surface preparation and Pre blast weld VT Inspection. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces and found rejected for Grinding and Reblasting in marked areas. VT Inspection found carried out by ABF and CT Inspectors. Surface preparation Inspection was offered again vide notification no. 6946, and found accepted by ABF Inspectors after minor touch ups for Interzinc 22 application. International protective coatings technical service representative Mr. Han Xiao Hui found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Lift 13W Bottom plate external surface and Lift 13W Cross beam terminal

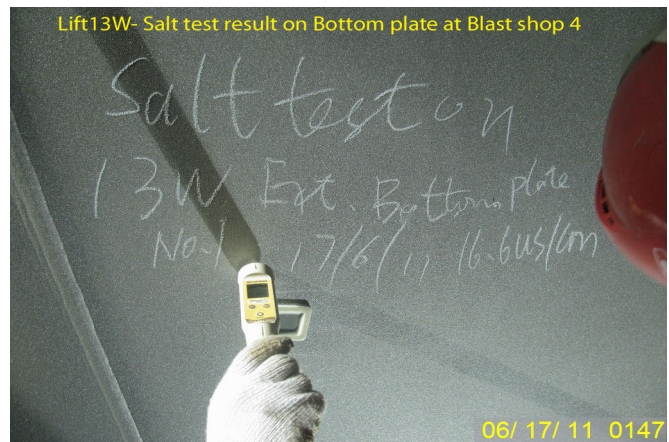
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diaphragm internal surface for Surface preparation and primer coat application Inspection, Inspection request no. 6943. This QA Inspector observed ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces and rejected for improper profile. This was again found offered for inspection vide notification no.6944. Salt test and profile test on the Blasted surfaces found carried out by ZPMC QC Inspectors and the results are found to be acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors which is 3.6 deg. celcius above dew point and the relative humidity found to be 71.3 %, which is acceptable as per contract documents. International protective coatings technical service representative Mr. Han Xiao Hui found present during the course of this inspection process for Technical discussion.

For further informations, Please see the pictures below,

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



## Summary of Conversations:

No Relevant Conversation

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas Hu (15002048250), who represents the Office of Structural Materials for your project.

**Inspected By:** Baskar,Govindarajan

Quality Assurance Inspector

**Reviewed By:** Clifford,William

QA Reviewer